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1. **Efficient global optimization (EGO) for multi-objective problem and data r**
Jeong, S.; Obayashi, S.;
Evolutionary Computation, 2005. The 2005 IEEE Congress on
Volume 3, 2-5 Sept. 2005 Page(s):2138 - 2145 Vol. 3
Digital Object Identifier 10.1109/CEC.2005.1554959
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1 Could Enough Samples be more Important than Better Designs for Computer Experiments?
Longjun Liu
April 2005 **Proceedings of the 38th annual Symposium on Simulation ANSS '05**
Publisher: IEEE Computer Society
Full text available: pdf(197.91 KB) Additional Information: full citation, abstract, index terms

A study was conducted to compare fifteen approaches to improve Latin hypercube designs for computer experiments, based on simulation tests and statistical analyses ANOVA. Kriging models were employed to approximate twenty test functions. Validation at 5000 or 10,000 points was conducted to find prediction errors. The results show that there are statistically significant differences between the approximatin results of employing different designs, but more often the difference is not significant. ...

2 Bayesian analysis for simulation input and output
Stephen E. Chick
December 1997 **Proceedings of the 29th conference on Winter simulation**
Publisher: ACM Press
Full text available: pdf(858.19 KB) Additional Information: full citation, references, citings, index terms

3 Simulation metamodels
Russell R. Barton
December 1998 **Proceedings of the 30th conference on Winter simulation**
Publisher: IEEE Computer Society Press
Full text available: pdf(79.38 KB) Additional Information: full citation, references, citings, index terms

4 Analysis methodology I: Low cost response surface methods for and from simulation optimization
Theodore Allen, Liyang Yu
December 2000 **Proceedings of the 32nd conference on Winter simulation**
Publisher: Society for Computer Simulation International
Full text available: pdf(323.44 KB) Additional Information: full citation, abstract, references, citings

We propose "low cost response surface methods" (LCRSM) that typically require half the experimental runs of standard response surface methods based on central composite and Box Behnken designs but yield comparable or lower modeling errors under realistic assumptions. In addition, the LCRSM methods have substantially lower modeling errors and greater expected savings compared with alternatives with comparable numbers of runs, including small composite designs and computer-generated designs based ...

Results 1 - 4 of 4